

Title (en)

Encoding/decoding method for audio signals using adaptive sinusoidal coding and apparatus thereof

Title (de)

Kodier-/Dekodierverfahren für Tonsignale mit adaptiver sinusoidaler Kodierung und Vorrichtung dafür

Title (fr)

Procédé de codage/décodage de signaux audio par sinusoidal codage adaptatif et dispositif correspondant

Publication

EP 2645367 A3 20140101 (EN)

Application

EP 13169332 A 20100216

Priority

- KR 20090012356 A 20090216
- KR 20090092717 A 20090929
- EP 10741441 A 20100216
- KR 2010000955 W 20100216

Abstract (en)

[origin: EP2398017A2] A method and an apparatus for encoding and decoding audio signals using adaptive sinusoidal pulse coding are provided. The audio signal encoding method includes the steps of dividing a synthesized audio signal into a plurality of sub-bands, calculating the energy of each sub-band, selecting a predetermined number of sub-bands having a relatively large amount of energy from the sub-bands, and performing sinusoidal pulse coding with regard to the selected sub-bands. Application of sinusoidal pulse coding based on consideration of the amount of energy of each sub-band of the synthesized signal improves the quality of the synthesized signal more efficiently.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

[A] FERREIRA ANIBAL J S ET AL: "Accurate Spectral Replacement", AES CONVENTION 118; MAY 2005, AES, 60 EAST 42ND STREET, ROOM 2520 NEW YORK 10165-2520, USA, 1 May 2005 (2005-05-01), XP040507191

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EP 2398017 A2 20111221; **EP 2398017 A4 20120725**; **EP 2398017 B1 20140423**; CN 102396024 A 20120328; CN 103366755 A 20131023; CN 103366755 B 20160518; EP 2645367 A2 20131002; EP 2645367 A3 20140101; EP 2645367 B1 20191120; JP 2012518194 A 20120809; JP 2014170232 A 20140918; JP 5520967 B2 20140611; JP 5863868 B2 20160217; KR 101441474 B1 20140917; KR 20100093504 A 20100825; US 2011301961 A1 20111208; US 2014310007 A1 20141016; US 8805694 B2 20140812; US 9251799 B2 20160202; WO 2010093224 A2 20100819; WO 2010093224 A3 20101118

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